5. EXCEPT AS EXPRESSLY SET FORTH HEREIN, THERE ARE NO WARRANTIES, CONDITION GUARANTEES OR REPRESENTATIONS AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTIES, CONDITIONS, GUARANTEES OR REPRESENTATIONS, WHETHER EXPRESSED OR IMPLIED, IN LAW OR IN FACT, ORAL OR IN WRITING. CELLPHONE-MATE, INC.'S AGGREGATE LIABILITY IN DAMAGES OR OTHERWISE SHALL NOT EXCEED THE PAYMENT, IF ANY, RECEIVED BY CELLPHONE-MATE, INC. FOR THE UNIT OF PRODUCT OR SERVICE FURNISHED OR TO BE FURNISHED, AS THE CASE MAY BE, WHICH IS THE SUBJECT OF CLAIM OR DISPUTE. IN NO EVENT SHALL CELLPHONE-MATE, INC. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, HOWSOEVER CAUSED.

6. All matters regarding this warranty shall be interpreted in accordance with the laws of the State of California and any controversy that cannot be settled directly shall be settled by arbitration in California in accordance with the rules then prevailing of the American Arbitration Association, and judgment upon the award rendered may be entered in any court having jurisdiction thereof.

7. If one or more provisions provided herein are held to be invalid or unenforceable under applicable law, then such provision shall be ineffective and excluded to the extent of such invalidity or unenforceability without affecting in any way the remaining provisions hereof.

## Safety Information

The Federal Communications Commission (FCC) has approved this product and found it to comply with their RF Exposure Requirements, pursuant to FCC Part 22 and 24.

**To comply with the FCC RF exposure requirements, keep the human user's body at least 8" (20cm) from the indoor antenna of the booster.**

Don't expose this product to extreme low or high temperature (-4°F or -20°C and 150°F or 70°C).

There are no consumer serviceable or modifiable parts inside this booster product. Alteration or abuse of the booster or other components will void this product's warranty, and could be dangerous to the user.

### Tri-Flex 65db Booster Specifications

| | CM-Triflex-V* | CM-Triflex-A** | CM-Triflex-T |
|---|---|---|---|
| Supported standards | CDMA, WCDMA, LTE | GSM, HSPA(+), LTE | CDMA, GSM, WCDMA, HSPA(+), LTE |
| Bandwidth | 25MHz (Cell) ,60MHz (PCS), 45MHz (AWS) | | |
| Uplink Freq. Range (MHz) | 776-787/824-849/1710-1755 | 698-716/824-849/1710-1755 | 824-849/1710-1755/1850-1910 |
| Downlink Freq. Range | 746-757/869-894/1930-1990 | 728-746/869-894/1930-1990 | 869-894/1930-1990/2110-2155 |
| Input/Output impedance | 50Ω | | |
| Average gain | 65dB | | |
| Noise figure | <7 dB | | |
| VSWR | ≤2.0 | | |
| AC Power Transformer | Input AC110V, 60Hz; Output: DC 9-20V | | |
| Max output power | 1 Watts EIRP | | |
| Cable | CM400 or LMR400 | | |
| RF connectors | N Female (both ends) | | |
| Power consumption | <30 W | | |
| Dimensions | 8.5" x 6.25" x 1.5" | | |
| Weight | 3 LB | | |
| FCC ID (USA) | RSNCMFLEX-V | RSNCMFLEX-A | RSNCMFLEX-T |
| Canada IC | N/A | N/A | 7784A-FLEX3 |

* Note: The LTE band used on the TriFlex-V cellular booster is not available in Canada
** Note: The LTE band used on the TriFlex-A cellular booster is not available in Canada

User Manual

# Enhance Tri-Band Wireless Adjustable Cellular Booster

## Enhance Tri-Flex™

(Model No: CM-Triflex-V, A, and T)

**Package Contents*:**

- 65dB booster (Auto Shutdown)
- 110V AC power supply
- Velcro and screw mounting kit
- User manual (this document)

*Outdoor and indoor antennas and cables are required for installation (purchased separately)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment : *CAN ICES-3 (B)/NMB-3(B)*

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

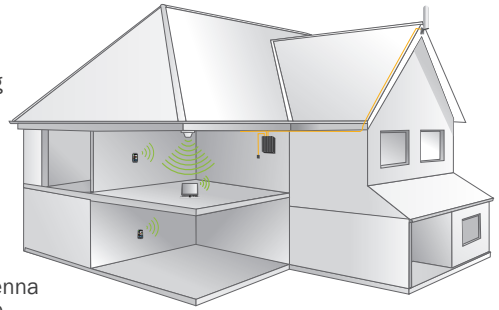
**Cellphone-Mate, Inc.**
CM-Tri-Flex (2013 V1.1)
888.365.MATE (6283) phone - (510)996-7250 fax
www.surecall.com www.cellphone-mate.com
48346 Milmont Drive Fremont, CA 94538

## Mounting & Connecting the Booster

Overview: The signal is received by the outside antenna from the cell tower, then amplified and transmitted to your phone through the inside antenna. When the phone transmits, the signal is received by the inside antenna, then amplified and transmitted to the cell tower through the outside antenna.

Step 1. Connect the Outside Antenna. The fiberglass antenna is for outdoor use only. Select an outside mounting location. For best performance, try to keep the antenna on top of the house. The outside antenna should be located in an area with at least a 12" radius clear of obstructions, and other radiating elements. The CM288W full-band fiberglass antenna includes mounting equipment to mount to either a flat horizontal surface or a wall. It should be mounted in an upright position.

Using the CM400 cable, connect the outside antenna to the "OUTSIDE" connector of the booster and hand tighten it.



NOTE: Ideal separation distance between the inside and outside antennas is at least 75 feet apart with a weak outside cell signal and the booster operating at full 65dB gain.

WARNING: The outside antenna must not be co-located or operating in conjunction with any other antenna or booster.

Step 2. Connect the Inside Antenna. Mount the dome antenna on the ceiling in a central location where you want reception. The CM222W Dome Antenna is designed to mount on the ceiling and includes the mounting equipment to accommodate a ceiling mount or L-Bracket wall mount. Drill a hole of 35mm in the ceiling. Screw the fixing nut to fasten the antenna on the ceiling. The ceiling's thickness should be no more than 4/5 " or 20mm. Using the CM400 cable, connect the dome antenna to the side of the booster marked INSIDE. Hand tighten.

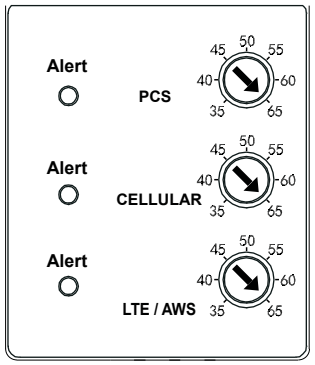
Step 3. Connect the power cord to the booster, and then connect the plug to 110V AC power outlet. Make sure that all of the connections to the booster are tight and secure.

## Using the Booster

Step 1: When you receive the booster, the PCS (1900 MHz frequency) dial on top, the Cellular (800 MHz frequency) dial in the middle and the Verizon LTE (700 MHz), AT&T LTE (700 MHz) or T-Mobile AWS (2100 MHz) dial on the bottom should be each set at 65dB.

NOTE: Before turning on the booster, set Cellular, PCS and LTE/AWS dials according to the coverage space you require by looking at the chart below.

| Gain(dB) | Cover Space(sq.ft) | Antenna Seperation |
|---|---|---|
| 65 | 3,000-6,000 | 60'-80' |
| 60 | 2,000-4,000 | 50'-75' |
| 55 | 1,500-2,000 | 40'-60' |
| 50 | 1,000-1,500 | 35'-50' |




NOTE: Correct antenna separation is vital for making the booster amplify the cell signal as efficiently and powerfully as possible. Antenna separation is defined as a straight line measurement between outside and inside antenna.

Step 2: After turning on the booster, the ALERT lights will flash for 10 to 15 seconds on each band. This is to let you know that each band is activated. When booster is on, the LED light will glow, indicating that the booster is ready to use.

Step 3: If the ALERT lights for any band continue to blink, turn down the respective blinking knob(s) by another 5dB, for example, from 65 to 60, or until the light stops flashing. If it any band's lights continue to blink, unplug the power cord, reset the dials by 5dB less than your previous setting and plug the unit back in or restart thebooster. If the booster automatically shuts downs, it will restart every 15 – 20 seconds.

**Adjusting the booster:** When you turn the frequency dials, a yellow warning light will appear when the booster is within 10dB of the red light appearing, telling users that the booster is in danger of automatically shutting down. When the yellow light appears, you can safely increase the specific frequency by another 5dB.

During this process of adjusting dBs for either band, continually monitor the bars on your cell phone to see if the reception has improved or has decreased to its original setting before purchasing or installing the booster.WARNING: Never operate the booster with the red light on.

**Safety Warning:** The input voltage for the booster is 6V. DO NOT use this booster with a higher voltage power supply, which could damage the booster and the user may also be injured.

## Troubleshooting

If the booster interferes with your radio or other electronic receivers, move the booster further away from those devices.
For a list of Frequently Asked Questions and a complete, up-to-date Troubleshooting Guide, please visit our website at: www.surecall.com. You may also consult a Cellphone-Mate technical specialist directly by emailing us at support@Cellphone-Mate.com.

## Warranty

1. Cellphone-Mate, Inc. warrants to the buyer that each of its products, when shipped will be free from defects in material and workmanship and will perform in full accordance with applicable specifications. The limit of liability under this warranty is, at Cellphone-Mate, Inc.'s option, to repair or replace any product or part thereof which shall within TWO YEARS of purchaseas determined by examination by Cellphone-Mate, Inc., prove defective in material and/or workmanship. Warranty returns must first be authorized in writing by Cellphone-Mate, Inc. Disassembly of any Cellphone-Mate, Inc. product by anyone other than an authorized representative of Cellphone-Mate, Inc. voids this warranty in its entirety. Cellphone-Mate, Inc. reserves the right to make changes in any of its products without incurring any obligation to make the same changes on previously delivered products.

2. As a condition to the warranties provided for herein, the Buyer will prepay the shipping charges for all products returned to Cellphone-Mate, Inc. for repair, and Cellphone-Mate, Inc. will pay the return shipping with the exception of product returned from outside the United States in which case the Buyer will pay the shipping charges.

3. The Buyer will pay the cost of inspecting and testing any goods returned under the warranty or otherwise which are found to meet the applicable specifications or which are not defective or not covered by this warranty.

4. Products sold by Cellphone-Mate, Inc. shall not be considered defective or non-conforming to the Buyers' order if they satisfactorily fulfill the performance requirements that were published in the product specification literature, or in accordance with samples provided by Cellphone-Mate, Inc. This warranty shall not apply to any products or parts thereof which have been subject to accident, negligence, alteration, abuse, or misuse. Cellphone-Mate, Inc. makes no warranty whatsoever in respect to accessories or parts not supplied by it.